

RG7HIR



ELETTROTEK KABEL® RG7HIR



Construction:

Conductor:	stranded red copper conductor Cl.2 acc.to IEC 60228
Inner semi-conductive layer:	extruded elastomeric compound
Insulation:	rubber,type G7
Outer semi-conductive layer:	extruded elastomeric compound
Screen:	red copper wires and one or two copper tape(s) applied helically, if necessary
Outer sheath:	red (RAL 3000),PVC, type RZ

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
EN 60332-1-2

Technical data:

Nominal voltage:	U _o /U 1,8/3 kV, U _o /U 3,6/6 kV, U _o /U 6/10 kV, U _o /U 8,7/15 kV, U _o /U 12/20 kV, U _o /U 18/30 kV U _o /U 26/45 kV
Test voltage:	U _o /U 1,8/3 kV = 6 kV, U _o /U 3,6/6 kV = 11 kV, U _o /U 6/10 kV = 17 kV, U _o /U 8,7/15 kV = 24 kV, U _o /U 12/20 kV = 29 kV, U _o /U 18/30 kV = 45 kV
Max. operating voltage:	U _o /U 1,8/3 kV = U _m 3,6 kV U _o /U 3,6/6 kV = U _m 7,2 kV U _o /U 6/10 kV = U _m 12 kV U _o /U 8,7/15 kV = U _m 17,5 kV U _o /U 12/20 kV = U _m 24 kV U _o /U 18/30 kV = U _m 36 kV U _o /U 26/45 kV = U _m 52 kV
Temperature range:	- 15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min installation temperature:	0 °C
Min. bending radius:	12 x d
Max. tensile stress:	60 N/mm ²

Features:

according to IEC CEI 20-13
according to IEC 60502-2 (as far as applicable)
according to IEC 60840 (26/45 kV)

1,8/3 kV (U_m 3,6 kV)

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48010KRL010M61	1x10	14,5	290	8
48010KRL010M62	1x16	15,2	350	6
48010KRL010M63	1x25	16,5	450	4
48010KRL010M64	1x35	17,5	550	2
48010KRL010M65	1x50	18,5	670	1
48010KRL010M66	1x70	20	880	2/0
48010KRL010M67	1x95	22	1100	3/0
48010KRL010M68	1x120	23,3	1400	4/0
48010KRL010M69	1x150	24,7	1650	250 MCM
48010KRL010M70	1x185	26,5	2000	350 MCM
48010KRL010M71	1x240	29	2550	450 MCM
48010KRL010M72	1x300	31,6	3150	550 MCM
48010KRL010M73	1x400	34,6	3950	750 MCM
48010KRL010M74	1x500	38,3	5050	900 MCM
48010KRL010M75	1x630	43,1	6300	1150 MCM

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3,6/6 kV (Um 7,2 kV)

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48010MRL010M61	1x10	17	330	8
48010MRL010M62	1x16	17,5	410	6
48010MRL010M63	1x25	18,8	510	4
48010MRL010M64	1x35	19,8	630	2
48010MRL010M65	1x50	21,4	750	1
48010MRL010M66	1x70	23,3	1010	2/0
48010MRL010M67	1x95	24,8	1250	3/0
48010MRL010M68	1x120	26,3	1500	4/0
48010MRL010M69	1x150	27,8	1800	250 MCM
48010MRL010M70	1x185	29,5	2100	350 MCM
48010MRL010M71	1x240	32,1	2650	450 MCM
48010MRL010M72	1x300	34,8	3200	550 MCM
48010MRL010M73	1x400	37,8	4000	750 MCM
48010MRL010M74	1x500	41,8	5100	900 MCM
48010MRL010M75	1x630	45,8	6500	1150 MCM

6/10 kV (Um 12 kV)

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48010QRL010M61	1x10	19,9	420	8
48010QRL010M62	1x16	20,4	530	6
48010QRL010M63	1x25	21,8	650	4
48010QRL010M64	1x35	23,3	760	2
48010QRL010M65	1x50	24,8	880	1
48010QRL010M66	1x70	26,3	1100	2/0
48010QRL010M67	1x95	27,8	1400	3/0
48010QRL010M68	1x120	29,3	1630	4/0
48010QRL010M69	1x150	30,8	1900	250 MCM
48010QRL010M70	1x185	32,8	2350	350 MCM
48010QRL010M71	1x240	35,3	2900	450 MCM
48010QRL010M72	1x300	37,8	3500	550 MCM
48010QRL010M73	1x400	40,8	4300	750 MCM
48010QRL010M74	1x500	44,3	5420	900 MCM
48010QRL010M75	1x630	54,8	6850	1150 MCM

8,7/15 kV (Um 17,5 kV)

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48010SRL010M62	1x16	23	650	6
48010SRL010M63	1x25	24,3	750	4
48010SRL010M64	1x35	25,3	850	2
48010SRL010M65	1x50	26,3	1000	1
48010SRL010M66	1x70	28,3	1220	2/0
48010SRL010M67	1x95	30,3	1500	3/0
48010SRL010M68	1x120	31,9	1900	4/0
48010SRL010M69	1x150	33,3	2100	250 MCM
48010SRL010M70	1x185	35,3	2500	350 MCM
48010SRL010M71	1x240	38,3	3030	450 MCM
48010SRL010M72	1x300	40,3	3800	550 MCM
48010SRL010M73	1x400	43,3	4600	750 MCM
48010SRL010M74	1x500	47,3	5700	900 MCM
48010SRL010M75	1x630	52,3	7100	1150 MCM

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ELETTROTEK KABEL® RG7H1R



12/20 kV (Um 24 kV)

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48010URL010M64	1x35	27,3	960	2
48010URL010M65	1x50	28,5	1100	1
48010URL010M66	1x70	30,4	1350	2/0
48010URL010M67	1x95	32,4	1650	3/0
48010URL010M68	1x120	33,9	1950	4/0
48010URL010M69	1x150	35,2	2300	250 MCM
48010URL010M70	1x185	37	2600	350 MCM
48010URL010M71	1x240	39,5	3200	450 MCM
48010URL010M72	1x300	42	3900	550 MCM
48010URL010M73	1x400	45,3	4800	750 MCM
48010URL010M74	1x500	49	5900	900 MCM
48010URL010M75	1x630	53,7	7300	1150 MCM

18/30 kV (Um 36 kV)

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48010XRL010M65	1x50	35,9	1400	1
48010XRL010M66	1x70	36,1	1700	2/0
48010XRL010M67	1x95	37,8	1950	3/0
48010XRL010M68	1x120	39,1	2230	4/0
48010XRL010M69	1x150	40,7	2550	250 MCM
48010XRL010M70	1x185	42,6	3000	350 MCM
48010XRL010M71	1x240	45,3	3600	450 MCM
48010XRL010M72	1x300	47,8	4300	550 MCM
48010XRL010M73	1x400	51,2	5200	750 MCM
48010XRL010M74	1x500	55	6300	900 MCM
48010XRL010M75	1x630	61,9	7800	1150 MCM

26/45 kV (Um 52 kV)

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48010ZRL010M66	1x70	43	2150	2/0
48010ZRL010M67	1x95	44	2490	3/0
48010ZRL010M68	1x120	45,6	2735	4/0
48010ZRL010M69	1x150	46	3020	250 MCM
48010ZRL010M70	1x185	47	3395	350 MCM
48010ZRL010M71	1x240	49,5	4025	450 MCM
48010ZRL010M72	1x300	53	4725	550 MCM
48010ZRL010M73	1x400	56	5635	750 MCM
48010ZRL010M74	1x500	59	6825	900 MCM
48010ZRL010M75	1x630	64	8260	1150 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.